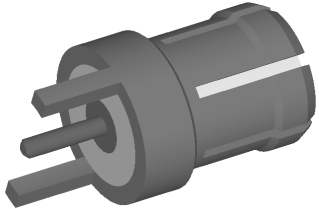


# Product data sheet

IMS CONNECTOR SYSTEMS GmbH  
 Obere Hauptstrasse 30  
 D-79843 Löffingen  
 Postfach 1141  
 D-79840 Löffingen

Tel (+49) 7654 901-0  
 Fax (+49) 7654 901-199  
 Net: www.imscs.com  
 E-mail: sales@imscs.com

<b>Part Number: 851.01.1510.001</b> <b>Description: MCX-p.c.b. plug</b>		<b>Revision: a</b> <b>Date: 08.11.2004</b> <b>Signature: U. Mayer</b> <b>Page: 1 of 2</b>	
<b>Design according to:</b>		-	
<b>Customer design</b>			
<b>Electrical characteristics</b>			
colored value means: still under test target value			
	Value	Unit	Picture
Impedance ( MIL-C- 39012B)	<b>50</b>	[Ω]	
Operating frequency up to	<b>6</b>	[GHz]	
Return loss			
1 GHz	<b>28</b>	[dB]	
2 GHz	<b>28</b>	[dB]	
4 GHz	<b>18</b>	[dB]	
6 GHz	<b>14</b>	[dB]	
10 GHz		[dB]	
18 GHz		[dB]	
3rd. Order PIM product 2x43dBm	/	[dBc]	
Insulation resistance	<b>5</b>	[GΩ]	
Contact resistance			
Centre contact	<b>5,0</b>	[mΩ]	
Outer contact	<b>1,0</b>	[mΩ]	
Contact current max. (DC)	<b>1,5</b>	[A]	
Operating voltage	<b>170</b>	[V]	
Proof voltage	<b>500</b>	[V]	
<b>Mechanical characteristics</b>			
	Value	Unit	Remarks
Engagement force	<b>max. 25</b>	[N]	
Separating force	<b>min.8 - max.20</b>	[N]	
Mating cycles	<b>&gt;500</b>		

# Product data sheet

IMS CONNECTOR SYSTEMS GmbH  
 Obere Hauptstrasse 30  
 D-79843 Löffingen  
 Postfach 1141  
 D-79840 Löffingen

Tel (+49) 7654 901-0  
 Fax (+49) 7654 901-199  
 Net: www.imscs.com  
 E-mail: sales@imscs.com

<b>Part Number:</b> 851.01.1510.001	<b>Revision:</b> a
<b>Description:</b> MCX-p.c.b. plug	<b>Date:</b> 08.11.2004
	<b>Signature:</b> U. Mayer
	<b>Page:</b> 2 of 2

<u>Material &amp; plating</u>	Material	Plating
Spring basket	bronze	Cu + Ni + 0,2µm Au
Centre contact	brass	Cu + Ni + 0,8µm Au
Other metal parts	-	-
Insulator	PTFE	-
Crimp ferrule	-	-
Gasket	-	-

<u>Environmental influences</u>		Remarks
Operating temperature range	-55°C up to +125°C Standard	
Climatic sequence: 1. Dry heat 2. Damp heat, cyclic, 1 cycle 3. Cold 4. Damp heat, cyclic, 6 cycles	IEC 60068-2-61 IEC 60068-2-2-Ba IEC 60068-2-30-Db IEC 60068-2-1-Aa IEC 60068-2-30-Db	

Notes

<u>Update historie</u>		
Rev.	date	Signature
a	14.10.2005	um